One CRISPR HDR workflow. Unlimited solutions.

Integrated DNA Technologies + Ansa solutions across the HDR workflow.

Build the donor that fits your project.

From straightforward edits to highly engineered knock-in designs, IDT and Ansa provide donor solutions to support a wide range of HDR applications.

Whether you are inserting a small reporter, engineering a complex pathway, or building a large donor construct, the IDT portfolio helps you move from design to knock-in with confidence.

Designed for the way genome engineering is evolving.

Alt-R™ HDR Donor Oligos, Alt-R™ HDR Donor Blocks, and Ansa Complex Clonal DNA can work together to support evolving donor generation options.

Point mutations — 200 bases — 3,000 bases — Up to 50 kb



Alt-R™ HDR Donor Oligos
Single-stranded DNA oligos

- Point mutations
- Short insertions
- Frameshift mutations
- Stop codons



Alt-R HDR Donor Blocks
Sequence verified, double-stranded DNA fragments

- Reporter knock-ins
- Cassette expressions
- Drug selection markers
- Promoters & small exons



Ansa Complex Clonal DNA
Sequence verified clonal double-stranded plasmid DNA

- Whole-gene / locus replacement
- Regulatory element engineering
- Synthetic circuit engineering
- Multi-element insertion

IDT Alt-R Donor Oligos, Blocks, and Ansa enzymatically synthesized complex clonal genes come together to support evolving requirements for any project need all the way to 50 kb.

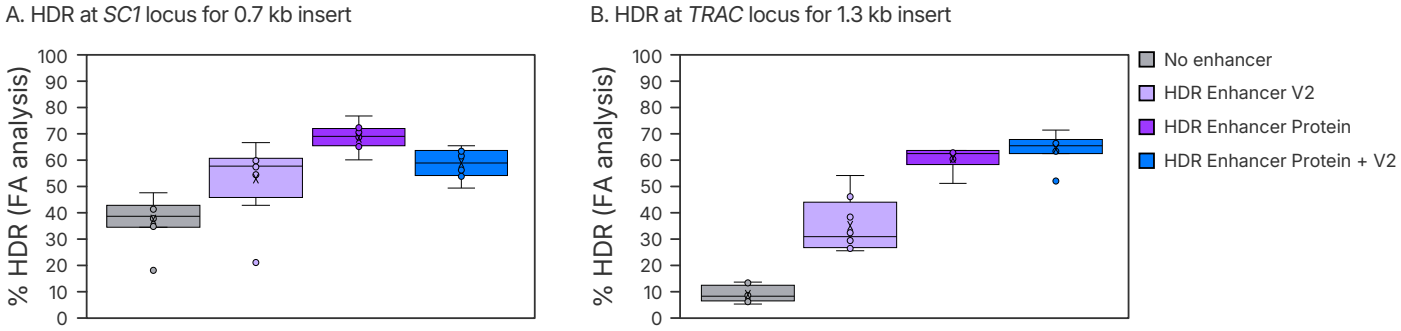
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A role in everything across the HDR workflow

Partner with IDT so you can focus on your research, not insertion rates

Design & planning > Donor generation > CRISPR reagents > Delivery solution > Verification & analysis

Increase HDR rates with HDR enhancers



Knock-in of different insert sizes in iPSCs.

Elevate your editing efficiency

Alt-R HDR Enhancer Protein

Recombinant protein

Boosts HDR efficiency without increasing off-target effects, translocations, or toxicity.

Alt-R HDR Enhancer V2

Small molecule

Increase HDR rates when used with IDT Alt-R Cas9 and Cas12a nucleases.

Designing a knock-in experiment? Let's discuss the right donor strategy for your project. Talk to an HDR design specialist.
idtdna.com/hdr-solutions

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